



IFW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                        |                      |
|---|------------------------|----------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/823,305           |
|   | Filing Date            | 4-13-04              |
|   | First Named Inventor   | Scott Dewey          |
|   | Art Unit               | 2838                 |
|   | Examiner Name          | Richard D. Muralidar |
| Total Number of Pages in This Submission  | Attorney Docket Number | GP-303515            |

| ENCLOSURES (Check all that apply)   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input checked="" type="checkbox"/> Amendment/Reply                       | <input type="checkbox"/> Petition  | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application  | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Terminal Disclaimer   | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Request for Refund  | Return Receipt Postcard   |
| <input type="checkbox"/> Information Disclosure Statement                 | <input type="checkbox"/> CD, Number of CD(s) _____   |   |
|   | <input type="checkbox"/> Landscape Table on CD   |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <b>Remarks</b>   |   |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application    | Applicant believes no fee to be due for the attached filing, however, should additional fees be due in order to prevent the abandonment of this application, please consider this as authorization to charge Deposit Account No. 501612 (Warn, Hoffmann, Miller & LaLone, P.C.) for any such fees due. A duplicate copy of this document is enclosed for this purpose. |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |  |   |
| <b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>                         |  |   |
| Firm Name   | Warn, Hoffmann, Miller & LaLone, P.C.  |   |
| Signature   |  |   |
| Printed name  | John A. Miller   |   |
| Date  | 8-15-06  | Reg. No. 34985  |

| CERTIFICATE OF TRANSMISSION/MAILING   |                                 |              |
|---|---------------------------------|--------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                                 |              |
| Signature   |                                 |              |
| Typed or printed name   | John A. Miller - Reg. No. 34985 | Date 8-15-06 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/823,305  
Filing Date: April 13, 2004  
Applicant: Scott Dewey  
Group Art Unit: 2838  
Examiner: Richard D. Muralidar  
Title: GIANT MAGNETORESISTIVE CELL MONITORING  
Attorney Docket: GP-303515

---

Mail Stop Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

This is a Response to the Office Action mailed June 15, 2005 to which a response is due by September 15, 2005. Claims 1-20 remain pending in this application. All of the claims stand rejected under 35 USC §103(a) as being unpatentable over U.S. Patent No. 6,762,587 issued to Barbetta in view of U.S. Patent No. 4,937,521 issued to Yoshino et al.

In view of the following remarks, this rejection is traversed, and reconsideration of this application is respectfully requested.

Applicant stated in paragraph 7 of the background discussion that it is necessary to monitor the output voltage of each fuel cell during operation of the fuel cell stack to ensure that each fuel cell is operating properly. U.S. Patent No. 6,762,587